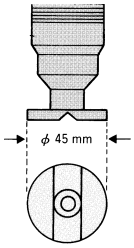
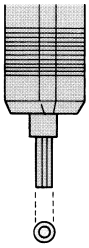
Ultrasonic Hardness Tester

Fowler's new Ultrasonic Hardness Tester works on a different principle than conventional testers where the diameter or depth of an indentation on a specimen was measured by a microscope. The Ultrasonic model gives the indenter rod longitudinal vibration to measure hardness electrically and indicates measurement on the display.

- Compact size for portable use.
- Direct-reading of hardness by digital display.
- Very small indentation.
- Conversion between HV and HRC.
- Works with or without standard base.
- Multi direction applicability, works in any direction.

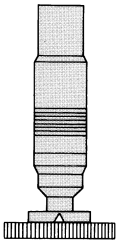
Standard base

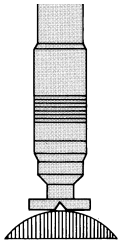


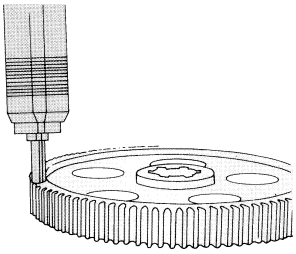


Nose piece.
(Remove base)

With standard base







With nose piece.
(Manual use only)

Specifications

Indenter	Diamond indenter for micro-Vickers/conversion to Rockwell C
Test load	Approximately 2 Kgf (4.41 lb.f) constant load spring
Measuring ranges	Standard type: HV/HRC
Measuring accuracy	HV±3% of reading. HRC±1.0
Applicable test materials	Primarily steel, other materials may be tested using a standard calibration block.
Measuring displayed	Digital (4 figures LED)
Resolution	1 HV, 0.1 HRC
Operating temperature	0°~50°C (instruments)
Power source	AC110/220V(±10%) and Ni-Cad battery (rechargeable)
Display unit size	8"(W)x3"(D)x4"(H) (200(W)x68(D)x100(H).)
Display unit weight	1.54 lbs. (0.7Kg)
Probe weight	7.7 lbs. (3.5Kg)

Order No.	Description
54-700-277	Ultrasonic Hardness Tester Includes display unit, probe, standard base, probe cable 1.5m, AC adaptor/ recharger, reference test block (HV scale), instruction manual & carrying case.